

M 6.2, 0 km SSE of Nueva Concepcin, Guatemala

Origin Time: 2022-02-16 07:12:25 UTC (Wed 01:12:25 local)

Location: 14.1934° N 91.2969° W Depth: 83.6 km

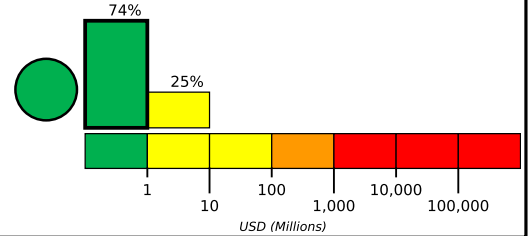
Created: 2 hours, 3 minutes after earthquake

Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.



Estimated Economic Losses



Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)	—*	167k*	16,109k	2,764k	65k	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are mud wall and adobe block with concrete bond beam construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1975-11-05	342	5.0	VI(21k)	1
2001-05-08	276	5.7	VII(562k)	1
1976-02-04	261	7.5	IX(80k)	23k

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI	City	Population
VI	Nueva Concepcion	11k
V	Tiquisate	18k
V	La Gomera	24k
V	San Jose La Maquina	<1k
V	Rio Bravo	8k
V	San Jose El Idolo	2k
V	Escuintla	103k
IV	Quetzaltenango	132k
IV	Guatemala City	995k
IV	Chimaltenango	82k
IV	Santa Ana	177k

PAGER content is automatically generated, and only considers losses due to structural damage.

Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us7000gl8w#pager>

bold cities appear on map.

(k=x1000)

Event ID: us7000gl8w